Datasheet for ABIN7596575

CXCR7 Protein (DYKDDDDK Tag,Strep Tag)

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Overview

Quantity:	10 µg
Target:	CXCR7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Synthetic Nanodisc
Purification tag / Conjugate:	This CXCR7 protein is labelled with DYKDDDDK Tag,Strep Tag.
Application:	ELISA, Immunogen (Imm), Surface Plasmon Resonance (SPR), Phage Display (PhD), Cryogenic electron microscopy (cryo-EM)

Product Details

Purpose:	Human CXCR7-Strep full length protein-synthetic nanodisc

Target Details

Target:	CXCR7
Alternative Name:	CXCR7 (CXCR7 Products)
Background:	ACKR3, CMKOR1, CXC-R7, CXCR-7, GPR159, RDC-1, RDC1 A member of the G-protein coupled receptor family. Although this protein was earlier thought to be a receptor for vasoactive intestinal peptide (VIP), it is now considered to be an orphan receptor, in that its endogenous ligand has not been identified. The protein is also a coreceptor for human immunodeficiency viruses (HIV). Translocations involving this gene and HMGA2 on chromosome 12 have been observed in lipomas.

Target Details

Molecular Weight:	The human full length CXCR7-Strep protein has a MW of 41.5 kDa
UniProt:	P25106
Pathways:	Myometrial Relaxation and Contraction, Negative Regulation of intrinsic apoptotic Signaling

Application Details

Comment:	Advantages: • Highly purified membrane proteins • High solubility in aqueous solutions • High stability • Proteins are in a native membrane environment and remain biologically active • No detergent and can be used for cell-based assays • No MSP backbone proteins • Mammalian cell expression system ensures post- translational modifications
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	Solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months